Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

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1(Cancelled).

2(Currently Amended). The A system of claim 1 for prioritizing communication in a shared bandwidth communication network comprising:

an interface to the shared bandwidth communication network operable to transport data for a plurality of users;

a front-end server coupled to the interface to select the rate and order at which data is supplied through the interface to the shared bandwidth communication network;

wherein the front-end server supplies the data to the interface at a rate and order that determines a relative priority of the data.

3(Original). The system of claim 1 wherein the interface is a router and the front-end server couples to the router, wherein the front-end server communicates control information to the router to manipulate the rate and order of data flow through the router.

4(Original). The system of claim 1 wherein the interface supports TCP channels.

5(Original). The system of claim 4 wherein the front-end server selectively applies data to the TCP channels at a rate and order that effectively prioritizes some channels over other channels.

6(Original). The system of claim 4 wherein the front-end server manipulates TCP parameters including window size, window expansion rate, and window contraction rate to effectively prioritize some channels over other channels.

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7(Original). The system of claim 1 wherein the shared bandwidth communication system comprises a gateway to a wireless network.

8(Original). The system of claim 1 wherein the shared bandwidth communication system comprises a cable modern system.

9(Original). The system of claim 1 wherein the shared bandwidth communication system comprises a network having a shared access point, wherein the access point creates a bandwidth restriction that is shared by all users of the access point.

10(Original). The system of claim 1 wherein the shared bandwidth communication system comprises an Internet Service Provider.

11(Cancelled).

12(Currently Amended). The A method of claim 11 further comprising for prioritizing communication in a shared bandwidth communication system comprising:

receiving a plurality of data transmission from a second communication system, each data transmission corresponding to a particular client;

queuing data in a plurality of sockets;

communicating the data transmissions in a prioritized fashion to the shared bandwidth communication system; and

associating each socket with a unique priority level.

13(Currently Amended). The method of claim [[11]] <u>12</u> each created socket corresponds to a separate one of the plurality of data transmissions.

14(Original). The method of claim 13 wherein each socket is associated with a priority value.

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15(Currently Amended). The method of claim [[11]] <u>12</u> wherein the step of communicating in a prioritized fashion comprises regulating the rate at which responses are communicated on a socket-by-socket basis.

16(Currently Amended). The method of claim [[11]] <u>12</u> wherein the step of communicating in a prioritized fashion comprises reordering responses.

17(Currently Amended). The method of claim [[11]] <u>12</u> further comprising associating a priority value with each socket.

18(Original). The method of claim 17 further comprising identifying information in each response that indicates a current priority value and using the current priority value as the priority value that is assigned to each socket.

19(Currently Amended). The method of claim [[11]] <u>12</u> wherein the act of creating a socket comprises creating a TCP socket for each request.

20(Original). The method of claim 19 wherein the act of communicating in a prioritized fashion comprises selectively applying data to the TCP socket at a rate and order that effectively prioritizes some sockets over other sockets.

21(Original). The method of claim 19 wherein the act of communicating in a prioritized fashion comprises manipulating TCP parameters including window size, window expansion rate, and window contraction rate to effectively prioritize some sockets over other sockets.

22(Currently Amended). The method of claim [[11]] <u>12</u> wherein the shared bandwidth communication system comprises a wireless network.

23(Currently Amended). The method of claim [[11]] 12 wherein the shared bandwidth communication system comprises a gateway to a wireless network.

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24(Currently Amended). The method of claim [[11]] <u>12</u> wherein the shared bandwidth communication system comprises a cable modem system.

25(Cancelled).

26(Original). A The front-end server of claim 25 for controlling prioritization in an external shared bandwidth communication network comprising:

a first interface to the shared bandwidth communication network; a second interface to a data network;

data buffers operable to hold data for each of a plurality of clients;

means to selectively apply data from the buffers to the interface so as to communicate the data to the shared bandwidth communication network in a manner that prioritizes some data in the buffer over other data in the buffer; and

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wherein the means to selectively apply regulates the rate at which data is applied from the data buffers to the first interface.

27(Currently Amended). The server of claim [[25]] <u>26</u> wherein the means to selectively couple modifies the order in which data is applied from the data buffers to the first interface.

28(Currently Amended). The server of claim [[25]] <u>26</u> wherein the means to selectively apply modifies the rate/order at which data is coupled from the data buffers to the interface so as to throttle bandwidth allocated to a first set of the data so as to explicitly gain more than a fair share of available bandwidth for a second set of the data.

29(Currently Amended). The server of claim [[25]] <u>26</u> wherein the second interface includes mechanisms for communicating prioritization information associated with data communicated with the data network.

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30(Cancelled). A front-end server for controlling prioritization in an shared bandwidth communication network having an available bandwidth for a first and a second set of data transmissions, the server comprising:

one or more interfaces to the shared bandwidth communication network; and

means to gain more than a fair share of the available bandwidth for the first set of data transmissions out of the available bandwidth for the first and the second sets of data transmissions.

31(Original). The <u>front-end</u> server <u>of claim 30</u> <u>for controlling</u> <u>prioritization in an shared bandwidth communication network having an available bandwidth for a first and a second set of data transmissions, the server comprising:</u>

one or more interfaces to the shared bandwidth communication network; and

means to gain more than a fair share of the available bandwidth for the first set of data transmissions out of the available bandwidth for the first and the second sets of data transmissions;

wherein the shared bandwidth communication network includes mechanisms operative to provide a fair allocation bandwidth between the first set of data transmissions and the second set of data transmissions.